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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

06/03/2008

OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850 EXAMINER

LAVILLA, MICHAEL E

ART UNIT PAPER NUMBER

1794 DATE MAILED: 06/03/2008

| APPLICATION NO. FILING DATE | | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------------------|------------|----------------------|---------------------|------------------|--|
| 10/540.536 | 07/29/2005 | J. M. Shipton | 124324 | 3543 | |

TITLE OF INVENTION: RARE EARTH-TRANSITION METAL ALLOY ARTICLES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$300 | \$0 | \$1740 | 09/03/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

| ppropriate. All further ndicated unless correcte naintenance fee notifica | ed below or directed oth | g the Patent, advance of erwise in Block 1, by (a | rders and notification a) specifying a new co | of m | naintenance fees w pondence address; | ill be and/or | mailed to the current of (b) indicating a separ | correspondence address as ate "FEE ADDRESS" for |
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| 25944 | 7590 06/03 | /2008 | | nave | | | e of Mailing or Transn | viccion |
| OLIFF & BER P.O. BOX 32083 ALEXANDRIA | | | | I her State addre trans | eby certify that thi s Postal Service w essed to the Mail | s Fee(ith suf Stop | s) Transmittal is being ficient postage for first ISSUE FEE address a 1) 273-2885, on the da | deposited with the United class mail in an envelope above, or being facsimile |
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| APPLICATION NO. | FILING DATE | | FIRST NAMED INVEN | TOR | | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/540,536 | 07/29/2005 | • | J. M. Shipton | | | | 124324 | 3543 |
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| LAVILLA, N | MICHAEL E | 1794 | 428-469000 | | | | | |
| . Change of corresponde CFR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. | (1) the names of u or agents OR, alter (2) the name of a sregistered attorney 2 registered patent | rinting on the patent front page, list names of up to 3 registered patent attorneys s OR, alternatively, name of a single firm (having as a member a dd attorney or agent) and the names of up to ered patent attorneys or agents. If no name is o name will be printed. | | | | | | |
| PLEASE NOTE: Unl | less an assignee is identi h in 37 CFR 3.11. Comp | A TO BE PRINTED ON T fied below, no assignee detion of this form is NO | data will appear on th | he pa g an a CITY | tent. If an assigno assignment. and STATE OR C | OUNT | TRY) | cument has been filed for |
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| a. The following fee(s): Issue Fee Publication Fee (N Advance Order - 4 | ermitted) | 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | | | |
| _ ~ . | tus (from status indicated s SMALL ENTITY statu | · · · · · · · · · · · · · · · · · · · | □ b Applicant is no | lone | ser claiming SMAI | LEN | ГІТҮ status. See 37 СF | P 1 27(a)(2) |
| NOTE: The Issue Fee an | d Publication Fee (if requ | | d from anyone other th | - | - | | | e assignee or other party in |
| Authorized Signature | | | | | Date | | | |
| Typed or printed name | | | | | • | | | |
| his collection of inform n application. Confiden ubmitting the completed nis form and/or suggesti Sox 1450, Alexandria, V Nexandria. Virginia 223 | tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th NOT SEND FEES OR (| on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM | or resisted of the second of t | etain a benefit by the mated to take 12 n idual case. Any co r, U.S. Patent and THIS ADDRESS | ne publ ninutes mment Traden . SENI | lic which is to file (and to complete, including to on the amount of time nark Office, U.S. Depar D TO: Commissioner for | by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450, |

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| ALEXANDRIA, ' | VA 22320-4850 | 1794 DATE MAILED: 06/03/2008 | | | |
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 363 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 363 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | | |
|--|--|---|--------|--|
| | 10/540,536 | SHIPTON, J. M. | | |
| Notice of Allowability | Examiner | Art Unit | | |
| | Michael La Villa | 1794 | | |
| The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to amendment filed on | (OR REMAINS) CLOSED in or other appropriate commeter appropriate commeters. This application is a and MPEP 1308. | n this application. If not included unication will be mailed in due cours | | |
| <u> </u> | 10 Maron 2000. | | | |
| 2. ☑ The allowed claim(s) is/are <u>1-3 and 5-14</u> . | | | | |
| 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents | e been received. e been received in Application | on No | om the | |
| International Bureau (PCT Rule 17.2(a)). | | g | | |
| * Certified copies not received: | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | MENT of this application. nitted. Note the attached EX. | AMINER'S AMENDMENT or NOTIC | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mu | | | | |
| (a) including changes required by the Notice of Draftsper | • | w (PTO-948) attached | | |
| 1) hereto or 2) to Paper No./Mail Date | = | | | |
| (b) ☐ including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) | 1.84(c)) should be written on t | he drawings in the front (not the back |) of | |
| each sheet. Replacement sheet(s) should be labeled as such in | _ | • • | | |
| DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT | | | he | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5. | oformal Patent Application | | |
| 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. ☐ Interview S | ummary (PTO-413), | | |
| Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date | Paper No. | /Mail Date Amendment/Comment | | |
| Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. ⊠ Examiner's 9. | Statement of Reasons for Allowanc | e | |
| | /Michael La Villa Primary Examiner | | | |

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- 2. The application has been amended as follows:
- 3. In Claim 6, please delete the extraneous period at the end of Claim 6.

REASONS FOR ALLOWANCE

- 4. The following is an examiner's statement of reasons for allowance:
- 5. Claims 1-3 and 5-14 are allowable.
- 6. Withdrawn Claims 7-14 have been rejoined.
- 7. Applicant's amendments and arguments are satisfactory for overcoming the section 112, second paragraph rejection, the section 103 rejection over Takahashi, the section 103 rejection over Nishiuchi, the section 103 rejection over Nishiuchi in view of Chen, and the section 103 rejection over Nishiuchi in view of Applicant's Admissions of the Office Action mailed on 31 December 2007.
- 8. None of the reviewed prior art teaches or suggests the claimed subject matter of Claims 1-3 and 5-14. Particularly, the prior art does not teach or suggest the claimed single layer coating diffusion barrier comprising phosphate bonded ceramic applied to RE-TM substrate (RE is Sm),

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Art Unit: 1794

wherein the ceramic coating possesses the claimed structural relationship to the substrate and exterior environment, in combination with the other claimed limitations. The prior art does not teach or suggest the claimed articles and methods.

9. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael La Villa whose telephone number is (571) 272-1539. The examiner can normally be reached on Monday through Friday.
- 11. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye, can be reached on (571) 272-3186.

 The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1794

12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael La Villa/ Michael La Villa Primary Examiner, Art Unit 1794 30 May 2008